RADIO SPECTRUM POLICY GROUP

Progress Report of the RSPG Working Group

on a long-term strategy on spectrum requirements facing the future needs and use of wireless audio and video PMSE applications

RSPG work item: update to Plenary	
Work item	A long-term strategy on spectrum requirements facing the future needs and use of wireless audio and video PMSE applications
Rapporteur/s	Franz Ziegelwanger, Austria
Rationale	The Request for an RSPG Opinion from the European Commission reflects the intention expressed by both the RSPG and the RSC that attention should be given to a long-term strategy with regard to future PMSE spectrum requirements in view of possible constraints for wireless audio and video PMSE needs, in particular noting the requirement for high quality of services in case of professional practice.
Scope	The RSPG will examine the expected impacts on PMSE services noting the evolution of existing use and taking into account a growing need for sharing of spectrum use. The Commission requests an assessment of the strategic options in terms of providing spectrum access for wireless audio and video PMSE applications that can provide the required quality of services for PMSE applications. On the basis of this long-term strategic assessment, the RSPG should also provide guidance on the relevance of a common "roadmap" to support the audio and video PMSE sector in obtaining access to spectrum taking into account different national needs. Thereby the work focuses mainly on the so called "peak demand events" and on the needs of professional users (multi-channel environment).
Planned deliverables and timing	Planned type of deliverable RSPG Opinion Time schedule: Interim draft Opinion June 2017 Draft Final Opinion November 2017
Analytical approach	• Assess possible solutions and options for meeting the expected future needs and use of audio and video PMSE applications in a time frame after 2020, taking into account the bands currently in use by audio and video PMSE and the expected spectrum re-allocations within relevant bands (e.g. 700 MHz band), while ensuring a sufficient flexibility and acknowledging that the needs vary greatly between different Member States. Which solutions are sustainable in the long term, taking due account of high quality and latency requirements of certain types of PMSE applications? • Indicate technological developments and regulatory requirements related to spectrum use which could contribute to meet the spectrum and quality of service demands for wireless audio and video PMSE. In this context consider shared use of spectrum, which could include appropriate and innovative sharing approaches e.g. the availability of geo-location databases with an appropriate geographic reach, the digitalisation of audio PMSE equipment, opportunities in higher frequency ranges, a higher level of certainty than a framework of non-interference and non-protection accessibility of spectrum in identified cases, as well as a common approach on authorisations and opportunities of localised temporary shared use of spectrum in case of large spectrum needs.

	• Assess the relevance of a common "roadmap" identifying principles and approaches of spectrum availability for audio and video PMSE. In this context collect Member States' best practices in providing spectrum use with the required level of quality of service and increasingly flexible conditions of spectrum access for wireless audio and video PMSE applications. In developing this Opinion, the RSPG work should address audio and video PMSE separately and take into account ongoing processes, such as possible new spectrum resources and the outcome of the Licenced Shared Access trials. The timing requested may be reviewed in the light of developments, such as the outcomes of ongoing CEPT work or the success and take-up of LSA solutions.
Project plan	Phase 1 – Information gathering Phase 2 – Analysis and assessment Phase 3 – Review conclusions (including stakeholder engagement) Phase 4 – Conclude and report, opinion
Dependencies	This work is not directly linked to the RSPG work items on other aspects. However independencies could exist on the availability of spectrum for 5G and its ability to cover also PMSE. There is also strong relation to already ongoing CEPT work which could have an influence on the opinion and a possible roadmap. We discuss all steps in the group to ensure we share information and align the work as appropriate.

Members, stakeholders and resources

Members	Participating in working group meetings EU, DG CNECT Finland, Ficora France, ANFR Germany, BNetzA Sweden, PTS The Netherlands, Minez United kingdom, Ofcom Slovakia, Teleoff Portugal, ANACOM Denmark, ENS Italy, Mise Norway, Nkom ERM TG17, ETSI
Key stakeholders	APWPT, Shure, Sennheiser, Audio Technica, AKG, PEARLE, ... Broadcasting- and Media Content Producers Wireless microphone industry Wireless cameras industry
Other resources	

Work flow (internal and external milestones)

Date	Action / deliverable	Internal Work group only	External Plenary, Publication
Year 2016			
20 October (Vienna)	First meeting of work group – discuss scope and plan	Work group	n/a
9 November	Update to Plenary	Rapporteur	Plenary
13 December (Vienna)	Second meeting of work group – discuss Roadmap, First Opinion draft, discussion of different stakeholder inputs	Work group	(ETSI joined WG)
Year 2017			
27 January	Third meeting of work group – discuss feedback from Plenary and strategic Roadmap, discussion of further inputs and again on first Opinion draft	Work group	
7 February	Update to Plenary For discussion at RSPG Plenary: Involvement of stakeholders: WG welcomes guidance from Plenary on the extent and shape of 'stakeholder involvement' as outlined in the 'RSPG Second Stakeholder Workshop: Update on the Work Programme for 2016 and beyond' (e.g. involvement limited to consultation/input on draft Opinion or a dedicated workshop?) (Stakeholders are industry and users - especially the professional users. Discussion should focus around some direct, relevant questions, or perhaps a first initial draft of our opinion could be discussed in a stakeholder meeting) Strategic roadmap: Inclusion of a relevant roadmap for industry and users after 2020 Y/N? Dedicated recommendations on frequency bands Y/N?	Rapporteur	Plenary
22 February (Vienna)	Fourth Meeting of working group	Rapporteur	
21 March (Vienna)	Fifth Meeting of working group	Rapporteur	
20 April (Vienna)	Sixth Meeting of working group	Rapporteur	
23 May (Vienna)	Seventh Meeting of working group	Rapporteur	
Future dates and actions to be decided in light of agreed work plan			